

## **REMARKS**

The Office Action dated December 1, 2004, has been received and carefully noted. The following remarks are submitted with the filing of a Request for Continued Examination (RCE).

Claims 1-12 are pending in the present application and are respectfully submitted for consideration. Claims 5 and 10 were amended in the Response to Final Rejection filed April 1, 2005. Applicant respectfully requests that the amendments and remarks presented in the Response to Final Rejection be considered with the filing of the RCE along with the remarks presented below.

In the Office Action, claims 5-8 and 10-12 were rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over U.S. Patent No. 4,879,077 (Shimizu et al.) in view of U.S. Patent No. 4,540,359 (Yamazaki). Claims 1-4 and 9 were rejected under 35 U.S.C. § 103(a) as allegedly rendered obvious by Shimuzu in view of Japanese Patent No. JP 61-121921 (Akira). As stated in the Response after Final Rejection, applicant submits that Shimizu, Yamazaki and Akira, either alone or in combination, fail to disclose or suggest all the features of any of the presently pending claims.

For example, applicant submits that the cited references do not disclose or suggest “moving the screw backwards at the constant backward speed V while rotating it after completion of the measuring process or the injecting process,” as recited in claim 1. Claim 3 recites “the controller moves the screw backwards at the constant backward speed V while rotating it after the completion of the measuring process or the injecting

process.” Claim 5 recites “controlling the screw to linearly move backward at a selected synchronization ratio  $S_x$  and simultaneously rotate after completion of the plasticization/measuring process or injecting process.” Claim 7 recites “controlling the movement so that the screw is linearly moved backward at a selected synchronization ratio  $S_x$  and simultaneously controlling the rotation of the screw.” Claim 9 recites “linearly moving the screw backwards relative to the forward feeding direction of the molten resin at a constant backward speed and simultaneously rotating the screw in the forward feeding direction at a rotation speed corresponding to the constant backward speed, after completion of the plasticization process or the injecting process.” Further, claim 10 recites “when the screw linearly moves backward, controlling the screw to move at a linear backward speed  $V$  and a rotation speed  $R$  in the forward feeding direction to define a synchronization ratio  $S$  based on the rotation speed  $R$  of the screw and the linear backward speed  $V$  of the screw.” Applicant respectfully submits that the cited references of Shimizu, Yamazaki and Akira, either alone or in combination, do not disclose or suggest at least these features of the presently pending claims.

The Advisory Action dated April 26, 2005 provides that “the features upon which applicant relies (i.e., ‘controlling the density distribution of the molten resin at the nose portion of the screw by reducing the high molten resin pressure caused by the plasticization/measuring process or the injecting process’) are not recited in the rejected claim(s).” Applicant submits that features recited in the claims, such as the examples provided above, were presented in the Response to Final Rejection, as not being

disclosed or suggested by Shimizu and Yamazaki. For example, referring to page 16, lines 1-10 of the Response, applicant notes that claims 5, 7 and 10 were cited as having the features cited above that are not disclosed or suggested by the cited references.

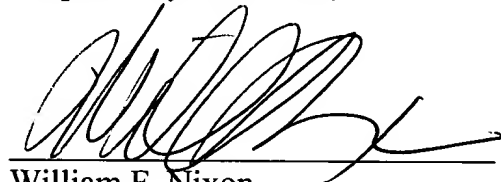
“All words in a claim must be considered in judging the patentability of that claim against the prior art.” In re Wilson, 424 F.2d 1382, 1385, 165 USPQ 494, 496 (CCPA 1970); MPEP § 2143.03. Applicant submits that all of the recitations of the claims have not been considered, including the amendments to the claims, in view of the assertions made in the Advisory Action. Instead, the claims have been examined in view of arguments discussing the cited reference of Yamazaki, for example, on page 18, lines 9-12. Applicant submits that maintaining the final rejection was improper because claims have not been evaluated by considering all the limitations of the claims. Thus, applicants submit that the cited references of Shimizu, Yamazaki and Akira fail to disclose or suggest all the features of the pending claims.

Applicant submits that each of claims 1-12 recite subject matter that is neither disclosed nor suggested by Shimizu, Yamazaki and Akira. Applicant, therefore, respectfully requests that all of claims 1-12 be allowed, and this application passed to issue.

If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, the applicants' undersigned attorney at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

In the event this paper is not being timely filed, the applicants respectfully petition for an appropriate extension of time. Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'William F. Nixon', written over a horizontal line.

William F. Nixon  
Registration No. 44,262

**Customer No. 32294**  
SQUIRE, SANDERS & DEMPSEY LLP  
14<sup>TH</sup> Floor  
8000 Towers Crescent Drive  
Tysons Corner, Virginia 22182-2700  
Telephone: 703-720-7800  
Fax: 703-720-7802

WFN:cct

Enclosures: Request for Continued Examination (RCE)  
Petition for Extension of Time